Author Index

Volume 21, January–June 1993

Aalkjær C, 391
Aarnio P, 680
Abassi ZA, 966
Abdel-Haq B, 852
Admiraal PJJ, 173
Alberola AM, 956
Alhenc-Gelas F, 827
Alvarez V, 227
Anderson EA, 136, 745
Anderson PW, 29
Anderson WP, 149
Andersson O, 618
Ando K, 253
Antonipillai I, 654, 1024
Aperia A, 767
Arena AM, 852
Arndt H, 667
Averill DB, 476, 739
Azar S, 971
Azizi M, 89

Baba S, 248
Bagshaw RJ, 624
Balsano F, 803, 875
Barchowsky A, 704
Baron AD, 129
Barthelmebs M, 442
Batlle DC, 227
Battaglia C, 89
Baumbach GL, 816
Beach RE, 364
Bellini C, 875
Benson S, 1020
Bergman R, 1024
Bernhardt J, 195
Berson AS, 504
Bertorello AM, 767
Bevan JA, 16
Bigazzi R, 301
Bing OHL, 56
Bjornsson TD, 704
Blair IA, 42
Blessing W, 210
Bogdanova NN, 861
Bokemeyer D, 166
Bonavita MS, 875
Borhani NO, 632
Bost KL, 185
Boulanger CM, 289
Bradstreet TE, 704
Brändle M, 687
Brant DO, 618
Braun N, 810
Brechtel-Hook G, 129
Bresnahan MR, 861
Briggs JP, 36
Brooks WW, 56
Buchanan T, 1024
Buhler FR, 195, 752
Bund SJ, 391

Callister R, 498
Campbell DJ, 155
Campese VM, 301
Campia U, 836
Capek M, 646
Cardillo C, 836
Carey D, 1076
Carlomagno A, 875
Carr P, 344
Carretero OA, 911
Casley DJ, 50
Cattaneo BM, 461
Chacko S, 624
Chalmers J, 210
Chandler LJ, 939
Chang M-S, 74
Chatellier G, 89
Chen C, 364
Chen C-M, 731
Chen J-W, 74
Chen M, 36
Chervu I, 301
Chin JPF, 22
Christensen KL, 526
Christy IJ, 149
Clark CJ, 204
Cohen RJ, 236
Collins LA, 1039
Connell JMC, 204
Connor JM, 455
Conrad CH, 56
Contney SJ, 1005
Coquard C, 442
Corvol P, 455, 827
Cowley AW Jr, 961
Cox J, 966
Cox RH, 624
Crews FT, 939
Cuspidi C, 461

Dai F-X, 280
Dall'Aglio E, 373
Damase-Michel C, 758
Dananberg J, 359
Daneshvar H, 1071
Danser AHJ, 173
Darné B, 89
Dart AM, 22
Darvish A, 906
Davda RK, 939
Davidson HR, 455
Day R, 916
De Boel SL, 216
De Felice F, 836
de Muinck Keizer W, 724
De Nicola L, 674
De Vita C, 461
DeBoisblanc BP, 971
Déchaux M, 261
Degaute J-P, 398
Del Bo A, 461
DeMaro J, 105
Demontis MP, 980
Derkx FHM, 173
Di Marino L, 97
Di Rienzo M, 510
DiBona GF, 2, 222, 1000
Diederich A, 280
Diederich D, 280
Dinh TQ, 674
DiPette DJ, 1010
Distante A, 329
Distler A, 273
Divish BJ, 660
Diz DI, 900
Do YS, 29
Douglas JG, 1035, 1039
Doyle AE, 50
Drolet G, 210
Duncan A-M, 155
Dupont M, 944
Duranti P, 852
Düsing R, 607
Dzau VJ, 894

Eklöf A-C, 767
Elayan H, 415
Ely D, 714
Ely DL, 1066, 1071
Emori T, 353
Erdös EG, 925
Erley CM, 810
Ernsberger P, 1035, 1039

Fattaccio MC, 980
Favilla S, 852
Felder RA, 485
Fenstermacher J, 105
Ferracin F, 195
Ferrara LA, 97
Ferrario CM, 476, 900
Ferri C, 803, 875
Feuerstein BG, 1020
Finnegan W, 105
Flordellis CS, 861
Folli G, 836
Forbes AB, 525
Foy CJW, 455
Fraser R, 455
Frigerio M, 461
Frohlich B, 985
Frölich M, 267
Fujioka Y, 1051
Fujita T, 253, 772
Fukuo K, 921

Gabbai FB, 674
Galle J, 315
Ganten D, 1030
Gasc J-M, 827
Gavras H, 861
Gelin M, 398
Genovesi-Ebert A, 329
Giannattasio C, 461
Gibbons GH, 894, 1046
Gigli G, 329
Giovannetti R, 852
Girolami J-P, 758
Glorioso N, 980
Goldberg MR, 704
Gomez RA, 470
Gomez-Marin O, 989
Graf C, 724
Granger DN, 667
Granger JP, 949, 956
Grassi G, 461
Grekin RJ, 359
Grima M, 442
Grobbee DE, 267
Gronda E, 461
Grünfeld J-P, 261
Gudbrandsson T, 618
Gust AP, 22
Gutterman DD, 216
Guzman MA, 971
Guzman NJ, 939

Haefele U, 810
Haffner SM, 83
Hajdu MA, 816
Handy DE, 861
Hannedouche T, 261
Hans F-J, 105
Hardin D, 129
Harrap SB, 50, 455, 525
Harrison JK, 934
Hazuda HP, 83
Heagerty AM, 391
Healey NA, 56
Hendley ED, 485, 714
Henry JP, 714
Herizi A, 944
Heyne N, 810
Higaki J, 975, 1051
Hilgenfeldt U, 1030
Hilgers KF, 322, 1030
Himmel HM, 112
Hinojosa-Laborde C, 1000
Hirata Y, 353
Hmeidan A, 308
Hock R, 470
Hofman A, 267
Hou X, 491
Hsueh WA, 29
Hu L, 949
Humphreys MH, 432
Hyun WC, 1020

Iaccarino G, 1015
Iannetti M, 329
Ikegami H, 1051
Ikeni A, 261
Imai T, 353
Imbs J-L, 442
Imholz BPM, 65
Inagami T, 446
Inui H, 446
Isakson P, 470
Ito K, 248
Ito Y, 772
Iwai N, 446

Jackman HL, 925
Jackson EK, 42, 420
Jacobs DB, 308
Jaiswal N, 900
Jaiswal RK, 900
Jamerson KA, 618
Jameson M, 280
Jamieson MJ, 504
Johansson GB, 925
Johnson A, 129
Johnson DG, 498

Author Index

Volume 21, January–June 1993

Aalkjær C, 391
Aarnio P, 680
Abassi ZA, 966
Abdel-Haq B, 852
Admiraal PJJ, 173
Alberola AM, 956
Alhenc-Gelas F, 827
Alvarez V, 227
Anderson EA, 136, 745
Anderson PW, 29
Anderson WP, 149
Andersson O, 618
Ando K, 253
Antonipillai I, 654, 1024
Aperia A, 767
Arena AM, 852
Arndt H, 667
Averill DB, 476, 739
Azar S, 971
Azizi M, 89

Baba S, 248
Bagshaw RJ, 624
Balsano F, 803, 875
Barchowsky A, 704
Baron AD, 129
Barthelmebs M, 442
Batlle DC, 227
Battaglia C, 89
Baumbach GL, 816
Beach RE, 364
Bellini C, 875
Benson S, 1020
Bergman R, 1024
Bernhardt J, 195
Berson AS, 504
Bertorello AM, 767
Bevan JA, 16
Bigazzi R, 301
Bing OHL, 56
Bjornsson TD, 704
Blair IA, 42
Blessing W, 210
Bogdanova NN, 861
Bokemeyer D, 166
Bonavita MS, 875
Borhani NO, 632
Bost KL, 185
Boulanger CM, 289
Bradstreet TE, 704
Brändle M, 687
Brant DO, 618
Braun N, 810
Brechtel-Hook G, 129
Bresnahan MR, 861
Briggs JP, 36
Brooks WW, 56
Buchanan T, 1024
Buhler FR, 195, 752
Bund SJ, 391

Callister R, 498
Campbell DJ, 155
Campese VM, 301
Campia U, 836
Capek M, 646
Cardillo C, 836
Carey D, 1076
Carlomagno A, 875
Carr P, 344
Carretero OA, 911
Casley DJ, 50
Cattaneo BM, 461
Chacko S, 624
Chalmers J, 210
Chandler LJ, 939
Chang M-S, 74
Chatellier G, 89
Chen C, 364
Chen C-M, 731
Chen J-W, 74
Chen M, 36
Chervu I, 301
Chin JPF, 22
Christensen KL, 526
Christy IJ, 149
Clark CJ, 204
Cohen RJ, 236
Collins LA, 1039
Connell JMC, 204
Connor JM, 455
Conrad CH, 56
Contney SJ, 1005
Coquard C, 442
Corvol P, 455, 827
Cowley AW Jr, 961
Cox J, 966
Cox RH, 624
Crews FT, 939
Cuspidi C, 461

Dai F-X, 280
Dall'Aglio E, 373
Damase-Michel C, 758
Dananberg J, 359
Daneshvar H, 1071
Danser AHJ, 173
Darné B, 89
Dart AM, 22
Darvish A, 906
Davda RK, 939
Davidson HR, 455
Day R, 916
De Boel SL, 216
De Felice F, 836
de Muinck Keizer W, 724
De Nicola L, 674
De Vita C, 461
DeBoisblanc BP, 971
Déchaux M, 261
Degaute J-P, 398
Del Bo A, 461
DeMaro J, 105
Demontis MP, 980
Derkx FHM, 173
Di Marino L, 97
Di Rienzo M, 510
DiBona GF, 2, 222, 1000
Diederich A, 280
Diederich D, 280
Dinh TQ, 674
DiPette DJ, 1010
Distante A, 329
Distler A, 273
Divish BJ, 660
Diz DI, 900
Do YS, 29
Douglas JG, 1035, 1039
Doyle AE, 50
Drolet G, 210
Duncan A-M, 155
Dupont M, 944
Duranti P, 852
Düsing R, 607
Dzau VJ, 894

Eklöf A-C, 767
Elayan H, 415
Ely D, 714
Ely DL, 1066, 1071
Emori T, 353
Erdös EG, 925
Erley CM, 810
Ernsberger P, 1035, 1039

Fattaccio MC, 980
Favilla S, 852
Felder RA, 485
Fenstermacher J, 105
Ferracin F, 195
Ferrara LA, 97
Ferrario CM, 476, 900
Ferri C, 803, 875
Feuerstein BG, 1020
Finnegan W, 105
Flordellis CS, 861
Folli G, 836
Forbes AB, 525
Foy CJW, 455
Fraser R, 455
Frigerio M, 461
Frohlich B, 985
Frölich M, 267
Fujioka Y, 1051
Fujita T, 253, 772
Fukuo K, 921

Gabbai FB, 674
Galle J, 315
Ganten D, 1030
Gasc J-M, 827
Gavras H, 861
Gelin M, 398
Genovesi-Ebert A, 329
Giannattasio C, 461
Gibbons GH, 894, 1046
Gigli G, 329
Giovannetti R, 852
Girolami J-P, 758
Glorioso N, 980
Goldberg MR, 704
Gomez RA, 470
Gomez-Marin O, 989
Graf C, 724
Granger DN, 667
Granger JP, 949, 956
Grassi G, 461
Grekin RJ, 359
Grima M, 442
Grobbee DE, 267
Gronda E, 461
Grünfeld J-P, 261
Gudbrandsson T, 618
Gust AP, 22
Gutterman DD, 216
Guzman MA, 971
Guzman NJ, 939

Haefele U, 810
Haffner SM, 83
Hajdu MA, 816
Handy DE, 861
Hannedouche T, 261
Hans F-J, 105
Hardin D, 129
Harrap SB, 50, 455, 525
Harrison JK, 934
Hazuda HP, 83
Heagerty AM, 391
Healey NA, 56
Hendley ED, 485, 714
Henry JP, 714
Herizi A, 944
Heyne N, 810
Higaki J, 975, 1051
Hilgenfeldt U, 1030
Hilgers KF, 322, 1030
Himmel HM, 112
Hinojosa-Laborde C, 1000
Hirata Y, 353
Hmeidan A, 308
Hock R, 470
Hofman A, 267
Hou X, 491
Hsueh WA, 29
Hu L, 949
Humphreys MH, 432
Hyun WC, 1020

Iaccarino G, 1015
Iannetti M, 329
Ikegami H, 1051
Ikeni A, 261
Imai T, 353
Imbs J-L, 442
Imholz BPM, 65
Inagami T, 446
Inui H, 446
Isakson P, 470
Ito K, 248
Ito Y, 772
Iwai N, 446

Jackman HL, 925
Jackson EK, 42, 420
Jacobs DB, 308
Jaiswal N, 900
Jaiswal RK, 900
Jamerson KA, 618
Jameson M, 280
Jamieson MJ, 504
Johansson GB, 925
Johnson A, 129
Johnson DG, 498

Johnson MD, 779
Johnson ML, 1066, 1071
Johnston CI, 882
Jones SY, 222
Jong MS, 173
Jover B, 944
Joyce EH, 16
Julius S, 618, 886
Jyothirmayi GN, 795

Kalir T, 439
Kammerer CM, 1076
Kaneda Y, 894
Karubian F, 301
Kass DA, 74
Katayama Y, 248
Kato H, 446
Kautzky-Willer A, 646
Kawaguchi A, 248
Kawaguchi N, 1051
Kawamoto A, 866
Kayamori Y, 248
Keiser HR, 966
Kennedy B, 415, 674
Khosla MC, 476
Killen PD, 36
Kimoto K, 446
Kitamura Y, 3
Kladis A, 155
Klein H, 966
Kobayashi R, 1051
Kohara K, 975
Koibuchi Y, 1046
Koletsky RJ, 1039
Korsgaard N, 391
Kost CK Jr, 420
Kotchen TA, 779
Kramer HJ, 166
Kronmal RA, 632
Kumagai H, 476
Kurtz TW, 1020

Lacour B, 261
Lacourcière Y, 786
Lamenza F, 1015
Landini L, 329
Langewouters GJ, 65
Larivière R, 294, 916
Lattanzi F, 329
Lee WS, 1046
Lehrer S, 439
Lemaire V, 714
Lembo G, 1015
Lepert J-C, 758
Levens NR, 1056
Lin H, 845
Liu C-P, 74
Liu Y-Y, 714
Livingstone D, 105
Lo M-W, 704
Lohmann T, 971
Lohmeier TE, 695
Lokhandwala MF, 364
Lu D, 1062
Lucarini AR, 329
Ludvik B, 646
Luft FC, 322, 1030
Luke RG, 380
Luparini RL, 803
Lurbe A, 227
Lüscher T, 280
Lüscher TF, 752
Luthin DR, 934
Lynch KR, 470, 934

Ma Y-H, 985
Madeddu P, 980
Malvin RL, 36
Mancia G, 65, 461, 510
Mancini M, 97
Mangiavacchi M, 461
Mann JFE, 322, 1030
Manning RD Jr, 949
Manolio TA, 632
Marabini M, 461
Marabotti C, 329
Mark AL, 1, 136, 745
Markham B, 985
Marmor A, 74
Marotta T, 97
Marques L-P, 261
Marumo F, 353
Maser-Gluth C, 724
Mattei P, 929
Mattson DL, 961
Mazzarisi A, 329
McCrea J, 704
McGhee JR, 185
McGill HC Jr, 1076
McGregor CGA, 680
McLellan AR, 204
McTiernan CF, 142
McWilliams EJ Jr, 704
Metting PJ, 906
Meyer-Lehnert H, 166
Michel B, 442
Mikami H, 975, 1051
Mikawa K, 248
Miller V, 680
Milligan G, 204
Mimran A, 944
Mirakian C, 50
Mitchell GA, 50
Mizelle HL, 949
Momose N, 921
Mondon CE, 373
Montana JS III, 995
Montastruc J-L, 758
Montastruc P, 758
Morales PA, 83
Morimoto S, 921
Morishita R, 894
Mormede P, 714
Morris PW, 925
Mukherjee DP, 142
Muley T, 1030
Mulvany MJ, 391

Nadeau A, 786
Nadler JL, 1024
Nadra WE, 714
Nagano M, 1051
Nakamura F, 1051
Nakamura T, 956
Natarajan R, 1024
Natov S, 261
Nestel PJ, 22
Ng AV, 498
Nishi A, 767
Nishinaga M, 866
Niyogi T, 308
Nolly H, 911
Norling LL, 470
Norton GR, 638

O'Connor DT, 674
Ogihara T, 894, 921, 975, 1051
Ohbu K, 485
Okamura T, 3
Okuda N, 975
Omae T, 248
Onishi S, 1051
Oparil S, 185
Opgenorth TJ, 660
Orfila C, 758
Orlov S, 195
Osborn JW, 995
Ozawa H, 248
Ozawa T, 866

Pacini G, 646
Pannier I, 89
Parati G, 65, 510
Parise M, 301
Parmer RJ, 674
Parpaglia PP, 980
Pascual DW, 185
Pascual JM, 227
Pascual VH, 185
Penn MS, 406
Perry SW, 1066
Pershadsingh HA, 1020
Petersen JS, 1000
Phillips MI, 1062
Picano E, 329
Piccoli A, 875
Pieterman H, 173
Plato PA, 373
Plouin P-F, 89
Poirier L, 786
Polakowski JS, 660
Pollock DM, 660
Pollock JS, 934
Pols HAP, 267
Postlewaite JJ, 906
Poston L, 344
Prager R, 646
Prakash C, 42
Pratt RE, 1046
Prineas RJ, 989
Prisant LM, 504
Provo BJ, 995

Qian C-g, 714
Qiu C, 432
Quesenberry P, 470

Rabin J, 439
Rabito SF, 925
Raizada MK, 1062
Rakusan K, 406
Ramana CV, 1010
Raynaud A, 89
Reaven G, 373
Reddi AS, 795
Redón J, 227
Reeh PW, 322
Reisin E, 971
Rendina V, 1015
Resink TJ, 195
Rettig R, 724
Rice KS, 1076
Richards EM, 1062
Risler T, 810
Robbins C, 504
Roccella E, 504
Roman RJ, 985
Rosskopf D, 607
Rude R, 1024
Rupprecht G, 322
Rusch NJ, 1005
Russo O, 97
Rutan GH, 632

Sabban EL, 674
Saed G, 911
Salisbury RL, 1071
Salvetti A, 852, 929
Samuel M, 624
Sangmal M, 845
Santucci A, 803, 875
Sarkies N, 301
Sasaki S, 248
Sato T, 866
Saul JP, 236
Schachter BS, 439
Schachter D, 731
Schalekamp MADH, 173
Schambelan M, 432
Schenck I, 315
Schiffrin EL, 294, 916
Schmitt F, 261
Schnell CR, 1056
Schnermann J, 36
Schollmeyer P, 315
Schorr U, 273
Scicli AG, 911
Scicli G, 911
Seals DR, 498
Sechi LA, 432
Sen S, 56, 142
Seo B-g, 752
Sessa WC, 934
Shade RE, 1076
Sharir T, 74
Sharma AM, 273
SHEP Group, 335
Sheps SG, 504
Shimosawa T, 253
Sibony M, 827
Sider RS, 359
Siffert W, 607
Simpson L, 308
Sinaiko AR, 989
Skeggs LT Jr, 259
Skidgel RA, 925
Skopec J, 280
Smith CW, 667
Smith MJ Jr, 845
Soubrier F, 455, 827
Sowers JR, 308
Standley PR, 308
Stekiel WJ, 1005
Stern MP, 83
Strauss HC, 112
Suc J-M, 758
Sumners C, 1062
Supowit SC, 1010
Szollosi J, 1020
Sztalryd C, 373

Tacons J, 227
Taddei S, 9, 852, 929
Tajima A, 105
Takatsuji H, 866
Takiyyuddin MA, 674
Tallant EA, 900
Tanaka W, 704
Tancrède G, 786
Taub NA, 344
Thibault G, 294
Ting C-T, 74
Toda N, 3
Tonolo G, 980
Triedman JK, 236

Trimarco B, 1015
Troffa C, 980
Trolliet M, 1062
Trostel KA, 995
Tsotetsi OJ, 638
Tsuchihashi T, 739
Tsushima M, 248
Turner ME, 1066, 1071

Uchiyama Y, 446
Ueshima H, 248
Upadhya A, 624

Valentin J-P, 432
van de Borne P, 398
Van de Stadt J, 398
van Goudoever J, 65
van Hooft IMS, 267
van Montfrans GA, 65
Vanhoutte PM, 9, 289, 747
Varoni MV, 980
Veelken R, 322, 1030
Ventre F, 944
Vicaut E, 491
Virdis A, 852, 929
Vitullo JC, 406
Volpe M, 1015

Wang W, 687
Wanner C, 315
Watt GCM, 455
Watts GF, 344
Wei L, 105
Weissel M, 646
Welsch C, 442
Wesseling KH, 65
Westlund KN, 1010
White WB, 504
Whorton AR, 112
Wicker P, 406
Wieling W, 65
Wilfong N, 470
Wood JM, 1056
Woodiwiss AJ, 638
Woods RL, 149

Yamaguchi I, 485
Yang HM, 695
Yin FCP, 74
Young DB, 845

Zanchetti A, 461
Zelezna B, 1062
Zhang HY, 779
Zhou J, 1035
Ziegler MG, 415, 674
Zucker IH, 687
Zunino R, 329

Subject Index

Volume 21, January–June 1993

A

Abstracts
Abstracts of the 10th Scientific Meeting of the Inter-American Society, 527

Acetaldehyde
Acute Alcohol Administration Stimulates Baroreceptor Discharge in the Dog, 687

Acetylcholine
Endothelium-Derived Contracting Factors in Resistance Arteries of Young Spontaneously Hypertensive Rats Before Development of Overt Hypertension, 280
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929

Actins
Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression, 142

Adenine nucleotides
Immunogold Localization of Adenosine 5′-Monophosphate–Specific Cytosolic 5′-Nucleotidase in Dog Heart, 906

Adenosine
Immunogold Localization of Adenosine 5′-Monophosphate–Specific Cytosolic 5′-Nucleotidase in Dog Heart, 906

Adenosine cyclic monophosphate
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Renal Dopamine-1 Receptors in Hypertensive Inbred Rat Strains With and Without Hyperactivity, 485

Adenosine triphosphatase
Characteristics of Arterial Myosin in Experimental Renal Hypertension in the Dog, 624

Adenosine triphosphatase, sodium, potassium (see Na^+,K^+-transporting ATPase)

Adenylyl cyclase
Guanine Nucleotide Regulatory Proteins in the Spontaneously Hypertensive Rat, 204
Renal Dopamine-1 Receptors in Hypertensive Inbred Rat Strains With and Without Hyperactivity, 485

Adolescents
Effect of Low Sodium Diet or Potassium Supplementation on Adolescent Blood Pressure, 989

Adrenal cortex
Adrenal Kallikrein, 911

Adrenal medulla
Adrenal Kallikrein, 911
Catecholamine Secretory Vesicles: Augmented Chromogranins and Amines in Secondary Hypertension, 674

Age factors
Implications of the Systolic Hypertension in the Elderly Program, 335

Aging
Age and Gender Influence Muscle Sympathetic Nerve Activity at Rest in Healthy Humans, 498
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510
Effects of Hypertension and Aging on Coronary Arteriolar Density, 406
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731

Albuminuria
Altered Blood Pressure During Sleep in Normotensive Subjects With Type I Diabetes, 227
Angiotensin Blockade and the Progression of Renal Damage in the Spontaneously Hypertensive Rat, 975
Captopril or Conventional Therapy in Hypertensive Type II Diabetics: Three-Year Analysis, 786

Alcohol drinking
Effect of Reduced Alcohol Consumption on Blood Pressure in Untreated Hypertensive Men, 248

Alcohol, ethyl
Acute Alcohol Administration Stimulates Baroreceptor Discharge in the Dog, 687
Ethanol Enhances the Endothelial Nitric Oxide Synthase Response to Agonists, 939

Aldosterone
Atrial Natriuretic Peptide in Non-modulating Essential Hypertension, 803
Magnesium Deficiency Produces Insulin Resistance and Increased Thromboxane Synthesis, 1024

Amino acids
Metabotropic Glutamate Receptors in the Ventrolateral Medulla of Rats, 739

Angioplasty, balloon
Restenosis After a First Percutaneous Transluminal Renal Angioplasty, 89

Angiotensin converting enzyme (see Kininase II)

Angiotensin converting enzyme inhibitors
Angiotensin Blockade and the Progression of Renal Damage in the Spontaneously Hypertensive Rat, 975
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Angiotensin II, Sodium, and Cardiovascular Hypertrophy in Spontaneously Hypertensive Rats, 50
Arteriolar Constriction and Local Renin-Angiotensin System in Rat Microcirculation, 491
Bradykinin Peptides in Kidney, Blood, and Other Tissues of the Rat, 155
Captopril Inhibits Endothelin-1 Secretion From Endothelial Cells Through Bradykinin, 921
Influence of Endogenous Angiotensin on the Renovascular Response to Norepinephrine, 695
Renal Response to Angiotensin After Short-term Angiotensin Converting Enzyme Inhibition, 261
Role of Nitric Oxide and Angiotensin II in the Regulation of Sympathetic Nerve Activity in Spontaneously Hypertensive Rats, 476

Angiotensin I
Indirect Evidence for Vascular Uptake of Circulating Renin in Hypertensive Patients, 852

Angiotensin II
A Novel Angiotensin Receptor Subtype in Rat Mesangium: Coupling to Adenylyl Cyclase, 1035
Angiotensin II Causes Mesangial Cell Hypertrophy, 29
Angiotensin II Facilitates Sympathetic Transmission in Rat Hind Limb Circulation, 322
Angiotensin II, Sodium, and Cardiovascular Hypertrophy in Spontaneously Hypertensive Rats, 50
Atrial Natriuretic Peptide in Non-modulating Essential Hypertension, 803
Effects of Losartan on Blood Pressure, Plasma Renin Activity, and Angiotensin II in Volunteers, 704
Enhanced Renal Angiotensin II Subtype 1 Receptor Responses in the Spontaneously Hypertensive Rat, 420
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Epidermal Growth Factor Is a Potent Inhibitor of Renin Secretion, 654
Indirect Evidence for Vascular Uptake of Circulating Renin in Hypertensive Patients, 852
Influence of Endogenous Angiotensin on the Renovascular Response to Norepinephrine, 695

Inhibition of Central Angiotensin Responses By Angiotensin Type-1 Receptor Antibody, 1062
Kidney Is an Important Target for the Antihypertensive Action of an Angiotensin II Receptor Antagonist in Spontaneously Hypertensive Rats, 1056
Magnesium Deficiency Produces Insulin Resistance and Increased Thromboxane Synthesis, 1024
Pressor Reactivity to Norepinephrine and Angiotensin in Salt-Sensitive Hypertensive Patients, 301
Regional Angiotensin II Production in Essential Hypertension and Renal Artery Stenosis, 173
Renal Response to Angiotensin After Short-term Angiotensin Converting Enzyme Inhibition, 261
Role of Angiotensin II in High Fructose–Induced Left Ventricular Hypertrophy in Rats, 1051
Role of Nitric Oxide and Angiotensin II in the Regulation of Sympathetic Nerve Activity in Spontaneously Hypertensive Rats, 476
Role of Transforming Growth Factor-β-1 in the Cellular Growth Response to Angiotensin II, 1046
Studies on the Peptides Encoded By Rat and Human Angiotensin II Complementary RNA, 42
Vascular Smooth Muscle Cell Calcium Fluxes: Regulation by Angiotensin II and Lipoproteins, 195

Angiotensinogen
Angiotensinogen Is Cleaved to Angiotensin in Isolated Rat Blood Vessels, 1030
Leukocytes Synthesize Angiotensinogen, 470

Angiotensins
Angiotensinogen Is Cleaved to Angiotensin in Isolated Rat Blood Vessels, 1030
Arteriolar Constriction and Local Renin-Angiotensin System in Rat Microcirculation, 491
Discovery of the Two Angiotensin Peptides and the Angiotensin Converting Enzyme, 259
Regulation of Vascular Angiotensin Release, 446
Sodium and Angiotensin in Hypertension Induced by Long-term Nitric Oxide Blockade, 944

Antidiuretic hormone (see Vasopressins)

Antihypertensive agents
Captopril or Conventional Therapy in Hypertensive Type II Diabetics: Three-Year Analysis, 786
Microalbuminuria in Essential Hypertension: Reduction by Different Antihypertensive Drugs, 810

Antihypertensive therapy
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510
Implications of the Systolic Hypertension in the Elderly Program, 335
Small Artery Structure in Hypertension: Dual Processes of Remodeling and Growth, 391

Antihypertensive therapy, nonpharmacological
Effect of Reduced Alcohol Consumption on Blood Pressure in Untreated Hypertensive Men, 248

Antilipemic agents
Clofibrate Prevents the Development of Hypertension in Dahl Salt-Sensitive Rats, 985

Aorta
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Increased Endothelin-1 Content in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive but Not in Spontaneously Hypertensive Rats, 294
Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9

Arachidonic acid
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289

Arginine
Role of Nitric Oxide in Long-term Angiotensin II–Induced Renal Vasoconstriction, 949
Sodium and Angiotensin in Hypertension Induced by Long-term Nitric Oxide Blockade, 944
Sustained Hypertension Induced by Orally Administered Nitro-L-Arginine, 359

Argipressin
Angiotensin II Facilitates Sympathetic Transmission in Rat Hind Limb Circulation, 322

Arteries
Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916

Arterioles
Effects of Hypertension and Aging on Coronary Arteriolar Density, 406
Mechanics and Composition of Cerebral Arterioles in Renal and Spontaneously Hypertensive Rats, 816

Atherosclerosis
Effects of Ciglitazone on Blood Pressure and Intracellular Calcium Metabolism, 1020
Restenosis After a First Percutaneous Transluminal Renal Angioplasty, 89

Atrial natriuretic factor
Atrial Natriuretic Peptide Blunts the Cellular Effects of Cyclosporine in Smooth Muscle, 166
Atrial Natriuretic Peptide in Non-modulating Essential Hypertension, 803
Bradykinin Does Not Modulate the Natriuretic Response to Atrial Natriuretic Factor in Rats With Aortocaval Fistula, 966
Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression, 142
Urodilatin Binds to and Activates Renal Receptors for Atrial Natriuretic Peptide, 432

Autoantibodies
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731

Autonomic nervous system
Angiotensin II Facilitates Sympathetic Transmission in Rat Hind Limb Circulation, 322
Mild Hypovolemic Stress Alters Autonomic Modulation of Heart Rate, 236

Autoradiography
Urodilatin Binds to and Activates Renal Receptors for Atrial Natriuretic Peptide, 432

Awake blood pressure (see Blood pressure)

Awards
CIBA Award for Hypertension Research, 1080
Harry Goldblatt Award in Cardiovascular Research, 1083
Merck Travel Fellowship Award, 1084
Ninth Annual Marion Merrell Dow Hypertension Research Clinical Fellowship Award, 1082
Third Bristol-Myers Squibb Lifetime Achievement Award in Hypertension, 1081

B

Baboon studies (see Papio)

Baroreceptor reflex
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510

Baroreceptors (see Pressoreceptors)

Behavior
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510

Bioassay
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925

Blood circulation
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129

Blood flow velocity
Calcium Dependence of Flow-Induced Dilation: Cooperative Interaction With Sodium, 16

Salt Loads Attenuate Potassium-Induced Vasodilation of Forearm Vasculature in Humans, 772
Blood platelets
Membrane Sodium-Proton Exchange and Primary Hypertension, 607
Sympathetic Hyperactivity and Coronary Risk in Hypertension, 886
Blood pressure
Accuracy of a Continuous Blood Pressure Monitor Based on Arterial Tonometry, 866
Adrenal Kallikrein, 911
Altered Blood Pressure During Sleep in Normotensive Subjects With Type I Diabetes, 227
Angiotensin II, Sodium, and Cardiovascular Hypertrophy in Spontaneously Hypertensive Rats, 50
Bradykinin B_2-Receptor Blockade Facilitates Deoxycorticosterone-Salt Hypertension, 980
Circadian Rhythms of Blood Pressure After Liver Transplantation, 398
Effect of Low Sodium Diet or Potassium Supplementation on Adolescent Blood Pressure, 989
Effect of Reduced Alcohol Consumption on Blood Pressure in Untreated Hypertensive Men, 248
Kidney Is an Important Target for the Antihypertensive Action of an Angiotensin II Receptor Antagonist in Spontaneously Hypertensive Rats, 1056
Level of Control of Hypertension in Mexican Americans and Non-Hispanic Whites, 83
Marine Oils Dose-Dependently Inhibit Vasoconstriction of Forearm Resistance Vessels in Humans, 22
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149
Metabotropic Glutamate Receptors in the Ventrolateral Medulla of Rats, 739
Neural Mechanism of Hypertension by Nitric Oxide Synthase Inhibitor in Dogs, 3
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752
Psychophysiological Reactivity and Cardiac End-Organ Changes in White Coat Hypertension, 836
Selective Breeding to Develop Lines of Baboons With High and Low Blood Pressure, 1076
Sympathoinhibitory Responses to 2-Methylserotonin During Changes in Sodium Intake, 1000
The Angiotensin I Converting Enzyme Gene and Predisposition to High Blood Pressure, 455
Validation of a Method for Noninvasive Measurement of Central Arterial Pressure, 74
Blood pressure, ambulatory
Altered Blood Pressure During Sleep in Normotensive Subjects With Type I Diabetes, 227
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510
Blood pressure determination
Feasibility of Ambulatory, Continuous 24-Hour Finger Arterial Pressure Recording, 65
National Standard for Measurement of Resting and Ambulatory Blood Pressures With Automated Sphygmomanometers, 504
Properties of the Random Zero Sphygmomanometer, 632
Validation of a Method for Noninvasive Measurement of Central Arterial Pressure, 74
Blood pressure monitors
Accuracy of a Continuous Blood Pressure Monitor Based on Arterial Tonometry, 866
Feasibility of Ambulatory, Continuous 24-Hour Finger Arterial Pressure Recording, 65
National Standard for Measurement of Resting and Ambulatory Blood Pressures With Automated Sphygmomanometers, 504
Properties of the Random Zero Sphygmomanometer, 632
Blood vessels
Angiotensinogen Is Cleaved to Angiotensin in Isolated Rat Blood Vessels, 1030
Blotting, Northern
Genomic Analysis and Expression Patterns Reveal Distinct Genes for Endothelial and Brain Nitric Oxide Synthase, 934
Bradykinin
Bradykinin B_2-Receptor Blockade Facilitates Deoxycorticosterone-Salt Hypertension, 980
Bradykinin Does Not Modulate the Natriuretic Response to Atrial Natriuretic Factor in Rats With Aortocaval Fistula, 966
Captopril Inhibits Endothelin-1 Secretion From Endothelial Cells Through Bradykinin, 921
Kinin Actions on Renal Papillary Blood Flow and Sodium Excretion, 961
Brain
Inhibition of Central Angiotensin Responses By Angiotensin Type-1 Receptor Antibody, 1062
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Breeding
Selective Breeding to Develop Lines of Baboons With High and Low Blood Pressure, 1076
Brief reviews (see Review literature)

C

Calcitonin gene–related peptide
Calcitonin Gene–Related Peptide Gene Expression in the Spontaneously Hypertensive Rat, 1010
Calcitriol
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Calcium
Alterations in Calcium Metabolism in Young People at Risk for Primary Hypertension: The Dutch Hypertension and Offspring Study, 267
Atrial Natriuretic Peptide Blunts the Cellular Effects of Cyclosporine in Smooth Muscle, 166
Calcium Dependence of Flow-Induced Dilation: Cooperative Interaction With Sodium, 16
Effects of Weight Reduction on Cellular Cation Metabolism and Vascular Resistance, 308
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Intracellular Calcium, Currents, and Stimulus–Response Coupling in Endothelial Cells, 112
Vascular Smooth Muscle Cell Calcium Fluxes: Regulation by Angiotensin II and Lipoproteins, 195
Calcium channel blockers
Effect of Diltiazem on Glomerular Heparan Sulfate and Albuminuria in Diabetic Rats, 795
Captopril
Captopril or Conventional Therapy in Hypertensive Type II Diabetics: Three-Year Analysis, 786
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97
Carboxypeptidases
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Cardiac function
Hydrochlorothiazide Improves Ventricular Compliance and Thus Performance Without Reducing Hypertrophy in Renal Artery Stenosis in Rats, 638
Cardiac output
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129
Vasodepressor Neurons in Medulla Alter Cardiac Contractility and Cardiac Output, 210
Cardiac volume
Cardiac Volume Receptor Reflex in Borderline Hypertensive Rats, 222
Reflex Vasopressin and Renin Modulation By Cardiac Receptors in Humans, 461
Cardiopulmonary receptors
Reflex Vasopressin and Renin Modulation By Cardiac Receptors in Humans, 461

Catecholamines
Catecholamine Secretory Vesicles: Augmented Chromogranins and Amines in Secondary Hypertension, 674
Psychosocial Stress Can Induce Chronic Hypertension in Normotensive Strains of Rats, 714
Sucrose Does Not Raise Blood Pressure in Rats Maintained on a Low Salt Intake, 779
Cathepsins
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Cell division
Membrane Sodium-Proton Exchange and Primary Hypertension, 607
Cerebral ischemia
Coronary Vascular Response to the Cerebral Ischemia Reflex, 216
Cerebral ventricles
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Cholera toxin
Altered β-Receptor Control of In Situ Membrane Potential in Hypertensive Rats, 1005
Chromaffin granules
Catecholamine Secretory Vesicles: Augmented Chromogranins and Amines in Secondary Hypertension, 674
Chromatography, high performance liquid
Bradykinin Peptides in Kidney, Blood, and Other Tissues of the Rat, 155
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Chromogranins
Catecholamine Secretory Vesicles: Augmented Chromogranins and Amines in Secondary Hypertension, 674
Circadian rhythm
Circadian Rhythms of Blood Pressure After Liver Transplantation, 398
Clinical conferences
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510
Essential Hypertension: A Renal Disease? A Review and Update of the Evidence, 380
Clinical trials
Implications of the Systolic Hypertension in the Elderly Program, 335
Coronary disease
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97
Coronary vessels
Autonomic Modulation of Contractions to Endothelin-1 in Canine Coronary Arteries, 680
Cyclooxygenase (see Prostaglandin-endoperoxide synthase)
Cyclosporine
Atrial Natriuretic Peptide Blunts the Cellular Effects of Cyclosporine in Smooth Muscle, 166
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315
Cytochrome P-450
Clofibrate Prevents the Development of Hypertension in Dahl Salt-Sensitive Rats, 985

D

Deamidase
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Denervation
Renal Morphological Changes After Sinoaortic Denervation in Dogs, 758
Dexamethasone
Glucocorticoid Hypertension and Nonadrenal Phenylethanolamine *N*-Methyltransferase, 415
Dextrans
Renal Response to Angiotensin After Short-term Angiotensin Converting Enzyme Inhibition, 261
Diabetes mellitus
Level of Control of Hypertension in Mexican Americans and Non-Hispanic Whites, 83
Diabetes mellitus, experimental
Effect of Diltiazem on Glomerular Heparan Sulfate and Albuminuria in Diabetic Rats, 795
Diabetes mellitus, insulin-dependent
Altered Blood Pressure During Sleep in Normotensive Subjects With Type I Diabetes, 227
Diabetes mellitus, non–insulin-dependent
Captopril or Conventional Therapy in Hypertensive Type II Diabetics: Three-Year Analysis, 786
Diabetic nephropathies
Altered Blood Pressure During Sleep in Normotensive Subjects With Type I Diabetes, 227
Diet therapy
Low Calorie Unrestricted Protein Diet Attenuates Renal Injury in Hypertensive Rats, 971
Diet, sodium-restricted
Insulin Resistance in Young Salt-Sensitive Normotensive Subjects, 273
24,25-Dihydroxyvitamin D_3
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Diltiazem
Effect of Diltiazem on Glomerular Heparan Sulfate and Albuminuria in Diabetic Rats, 795
DNA, mitochondrial
Inconsistent Divergence of Mitochondrial DNA in the Spontaneously Hypertensive Rat, 1066
Dog studies
Autonomic Modulation of Contractions to Endothelin-1 in Canine Coronary Arteries, 680
Renal Morphological Changes After Sinoaortic Denervation in Dogs, 758
Dopamine
Dopamine Fails to Inhibit Renal Tubular Sodium Pump in Hypertensive Rats, 364
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Doxazosin
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97
DuP 753 (see Losartan)

E

Editorial Comments
The Vasodilator Action of Insulin: Implications for the Insulin Hypothesis of Hypertension, 136
Editorials
The Editor's Report, 2
The Iowa Editorship in Transition, 1
Eicosanoids
Clofibrate Prevents the Development of Hypertension in Dahl Salt-Sensitive Rats, 985
Electric stimulation
Autonomic Modulation of Contractions to Endothelin-1 in Canine Coronary Arteries, 680
Endothelins
Autonomic Modulation of Contractions to Endothelin-1 in Canine Coronary Arteries, 680
Captopril Inhibits Endothelin-1 Secretion From Endothelial Cells Through Bradykinin, 921
Effect of Endothelin-1 on Glomerular Hydraulic Pressure and Renin Release in Dogs, 845
Endothelium-Derived Contracting Factors in Resistance Arteries of Young Spontaneously Hypertensive Rats Before Development of Overt Hypertension, 280
Heparin Has an Inhibitory Effect on Endothelin-1 Synthesis and Release by Endothelial Cells, 353
Increased Endothelin-1 Content in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive but Not in Spontaneously Hypertensive Rats, 294

Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916
Is Endothelin Involved in the Pathogenesis of Hypertension? 747
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9
Endothelium
Captopril Inhibits Endothelin-1 Secretion From Endothelial Cells Through Bradykinin, 921
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315
Ethanol Enhances the Endothelial Nitric Oxide Synthase Response to Agonists, 939
Heparin Has an Inhibitory Effect on Endothelin-1 Synthesis and Release by Endothelial Cells, 353
Immunogold Localization of Adenosine 5′-Monophosphate–Specific Cytosolic 5′-Nucleotidase in Dog Heart, 906
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Increased Endothelin-1 Content in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive but Not in Spontaneously Hypertensive Rats, 294
Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289
Intracellular Calcium, Currents, and Stimulus–Response Coupling in Endothelial Cells, 112
Is Endothelin Involved in the Pathogenesis of Hypertension? 747
Leukocyte–Endothelial Cell Adhesion in Spontaneously Hypertensive and Normotensive Rats, 667
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9
Role of Nitric Oxide in Long-term Angiotensin II–Induced Renal Vasoconstriction, 949
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929
Endothelium-derived relaxing factor
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Endothelium-Derived Contracting Factors in Resistance Arteries of Young Spontaneously Hypertensive Rats Before Development of Overt Hypertension, 280
Ethanol Enhances the Endothelial Nitric Oxide Synthase Response to Agonists, 939
Role of Nitric Oxide in Long-term Angiotensin II–Induced Renal Vasoconstriction, 949
Sustained Hypertension Induced by Orally Administered Nitro-L-Arginine, 359
Enzymes
Immunogold Localization of Adenosine 5′-Monophosphate–Specific Cytosolic 5′-Nucleotidase in Dog Heart, 906
Epidermal growth factor
Epidermal Growth Factor Is a Potent Inhibitor of Renin Secretion, 654
Epinephrine
Glucocorticoid Hypertension and Nonadrenal Phenylethanolamine *N*-Methyltransferase, 415
Ethanol (see Alcohol, ethyl)
Exercise
Feasibility of Ambulatory, Continuous 24-Hour Finger Arterial Pressure Recording, 65
Exercise test
Psychophysiological Reactivity and Cardiac End-Organ Changes in White Coat Hypertension, 836

F

Family characteristics
Alterations in Calcium Metabolism in Young People at Risk for Primary Hypertension: The Dutch Hypertension and Offspring Study, 267
Insulin Resistance in Young Salt-Sensitive Normotensive Subjects, 273
The Angiotensin I Converting Enzyme Gene and Predisposition to High Blood Pressure, 455
Fatty acids, unsaturated
Marine Oils Dose-Dependently Inhibit Vasoconstriction of Forearm Resistance Vessels in Humans, 22
Feasibility studies
Feasibility of Ambulatory, Continuous 24-Hour Finger Arterial Pressure Recording, 65
Fibroblast growth factor
Role of Transforming Growth Factor-β1 in the Cellular Growth Response to Angiotensin II, 1046
Fibromuscular dysplasia
Restenosis After a First Percutaneous Transluminal Renal Angioplasty, 89
Fistula
Bradykinin Does Not Modulate the Natriuretic Response to Atrial Natriuretic Factor in Rats With Aortocaval Fistula, 966
Fluorescent dyes
Human Lymphocyte Sodium-Hydrogen Exchange: The Influences of Lipids, Membrane Fluidity, and Insulin, 344
Forearm
Marine Oils Dose-Dependently Inhibit Vasoconstriction of Forearm Resistance Vessels in Humans, 22
Forearm resistance arteries (see Forearm)
Forskolin
Altered β-Receptor Control of In Situ Membrane Potential in Hypertensive Rats, 1005
Free radicals
Endothelium-Derived Contracting Factors in Resistance Arteries of Young Spontaneously Hypertensive Rats Before Development of Overt Hypertension, 280
Fructose
Role of Angiotensin II in High Fructose–Induced Left Ventricular Hypertrophy in Rats, 1051

G

G-proteins
Altered β-Receptor Control of In Situ Membrane Potential in Hypertensive Rats, 1005
Guanine Nucleotide Regulatory Proteins in the Spontaneously Hypertensive Rat, 204
Ganglia, spinal
Calcitonin Gene–Related Peptide Gene Expression in the Spontaneously Hypertensive Rat, 1010
Gender
Age and Gender Influence Muscle Sympathetic Nerve Activity at Rest in Healthy Humans, 498
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731
Gene amplification
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752
Gene expression
Calcitonin Gene–Related Peptide Gene Expression in the Spontaneously Hypertensive Rat, 1010
Gene Expression and Tissue Localization of the Two Isoforms of Angiotensin I Converting Enzyme, 827
Time Course of Stimulation of Renal Renin Messenger RNA by Furosemide, 36
Genes
Genomic Analysis and Expression Patterns Reveal Distinct Genes for Endothelial and Brain Nitric Oxide Synthase, 934
Genetics
The Angiotensin I Converting Enzyme Gene and Predisposition to High Blood Pressure, 455
The Hypertensive Y Chromosome Elevates Blood Pressure in F_{11} Normotensive Rats, 1071
Glomerular filtration rate
Effect of Endothelin-1 on Glomerular Hydraulic Pressure and Renin Release in Dogs, 845
Role of Nitric Oxide in Long-term Angiotensin II–Induced Renal Vasoconstriction, 949

Role of Renal Interstitial Pressure as a Mediator of Sodium Retention During Systemic Blockade of Nitric Oxide, 956
Glomerular mesangium
Angiotensin II Causes Mesangial Cell Hypertrophy, 29
Glomerulosclerosis, focal
Angiotensin Blockade and the Progression of Renal Damage in the Spontaneously Hypertensive Rat, 975
Glucose clamp technique
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129
Guanine nucleotide regulatory proteins (see G-proteins)
Guanosine cyclic monophosphate
Is Endothelin Involved in the Pathogenesis of Hypertension? 747
Urodilatin Binds to and Activates Renal Receptors for Atrial Natriuretic Peptide, 432

H

Heart failure, congestive
Bradykinin Does Not Modulate the Natriuretic Response to Atrial Natriuretic Factor in Rats With Aortocaval Fistula, 966
Oxygen Cost of Stress Development in Hypertrophied and Failing Hearts From the Spontaneously Hypertensive Rat, 56
Heart rate
Circadian Rhythms of Blood Pressure After Liver Transplantation, 398
Mild Hypovolemic Stress Alters Autonomic Modulation of Heart Rate, 236
Hematocrit
Sympathetic Hyperactivity and Coronary Risk in Hypertension, 886
Hemodynamics
Microalbuminuria in Essential Hypertension: Reduction by Different Antihypertensive Drugs, 810
Reflex Sympathetic Activation Induces Acute Insulin Resistance in the Human Forearm, 618
Role of Renal Interstitial Pressure as a Mediator of Sodium Retention During Systemic Blockade of Nitric Oxide, 956
Validation of a Method for Noninvasive Measurement of Central Arterial Pressure, 74
Hemorrhage
Mild Hypovolemic Stress Alters Autonomic Modulation of Heart Rate, 236
Heparan sulfate
Effect of Diltiazem on Glomerular Heparan Sulfate and Albuminuria in Diabetic Rats, 795
Heparin
Heparin Has an Inhibitory Effect on Endothelin-1 Synthesis and Release by Endothelial Cells, 353
Hepatic insulin extraction
Elevated Hepatic Insulin Extraction in Essential Hypertension, 646
High performance liquid chromatography (see Chromatography, high performance liquid)
Hind limb
Angiotensin II Facilitates Sympathetic Transmission in Rat Hind Limb Circulation, 322
Angiotensinogen Is Cleaved to Angiotensin in Isolated Rat Blood Vessels, 1030
Historical article
Discovery of the Two Angiotensin Peptides and the Angiotensin Converting Enzyme, 259
Hormones
Alterations in Prostaglandin Production in Spontaneously Hypertensive Rat Smooth Muscle Cells, 900
Human studies
Marine Oils Dose-Dependently Inhibit Vasoconstriction of Forearm Resistance Vessels in Humans, 22
HVJ (hemagglutinating virus of Japan)
Novel In Vitro Gene Transfer Method for Study of Local Modulators in Vascular Smooth Muscle Cells, 894
Hydralazine
Angiotensin Blockade and the Progression of Renal Damage in the Spontaneously Hypertensive Rat, 975
Hydrocephalus
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Hydrochlorothiazide
Hydrochlorothiazide Improves Ventricular Compliance and Thus Performance Without Reducing Hypertrophy in Renal Artery Stenosis in Rats, 638
Hydrogen-ion concentration
Membrane Sodium-Proton Exchange and Primary Hypertension, 607
Hydrostatic pressure
Feasibility of Ambulatory, Continuous 24-Hour Finger Arterial Pressure Recording, 65
Hydroxyeicosatetraenoic acids
Clofibrate Prevents the Development of Hypertension in Dahl Salt-Sensitive Rats, 985
Hyperaldosteronism
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929
Hypercholesterolemia
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97
Hyperinsulinemia (see Hyperinsulinism)
Hyperinsulinism
Role of Angiotensin II in High Fructose–Induced Left Ventricular Hypertrophy in Rats, 1051
The Vasodilator Action of Insulin: Implications for the Insulin Hypothesis of Hypertension, 136
Hyperkinesis
Renal Dopamine-1 Receptors in Hypertensive Inbred Rat Strains With and Without Hyperactivity, 485
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Hyperlipidemia
Human Lymphocyte Sodium-Hydrogen Exchange: The Influences of Lipids, Membrane Fluidity, and Insulin, 344
Sympathetic Hyperactivity and Coronary Risk in Hypertension, 886
Hyperplasia
Role of Transforming Growth Factor-β-1 in the Cellular Growth Response to Angiotensin II, 1046
Small Artery Structure in Hypertension: Dual Processes of Remodeling and Growth, 391
Hypertension, essential
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97
Effect of Low Sodium Diet or Potassium Supplementation on Adolescent Blood Pressure, 989
Effects of Ciglitazone on Blood Pressure and Intracellular Calcium Metabolism, 1020
Effects of Hypertension and Aging on Coronary Arteriolar Density, 406
Elevated Hepatic Insulin Extraction in Essential Hypertension, 646
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Essential Hypertension: A Renal Disease? A Review and Update of the Evidence, 380
Estrogen Receptor Variant and Hypertension in Women, 439
Is Endothelin Involved in the Pathogenesis of Hypertension? 747
Level of Control of Hypertension in Mexican Americans and Non-Hispanic Whites, 83
Microalbuminuria in Essential Hypertension: Reduction by Different Antihypertensive Drugs, 810
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185

Normal Ultrasonic Myocardial Reflectivity in Hypertensive Patients: A Tissue Characterization Study, 329
Psychosocial Stress Can Induce Chronic Hypertension in Normotensive Strains of Rats, 714
Reflex Sympathetic Activation Induces Acute Insulin Resistance in the Human Forearm, 618
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Validation of a Method for Noninvasive Measurement of Central Arterial Pressure, 74
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929

Hypertension, ethanol-related
Ethanol Enhances the Endothelial Nitric Oxide Synthase Response to Agonists, 939

Hypertension, experimental
Neural Mechanism of Hypertension by Nitric Oxide Synthase Inhibitor in Dogs, 3
Renal Morphological Changes After Sinoaortic Denervation in Dogs, 758

Hypertension, genetic
Calcitonin Gene–Related Peptide Gene Expression in the Spontaneously Hypertensive Rat, 1010
Enhanced Renal Angiotensin II Subtype 1 Receptor Responses in the Spontaneously Hypertensive Rat, 420

Hypertension, glucocorticoid
Glucocorticoid Hypertension and Nonadrenal Phenylethanolamine *N*-Methyltransferase, 415

Hypertension, Goldblatt (see Hypertension, renovascular)

Hypertension, mild
Effect of Reduced Alcohol Consumption on Blood Pressure in Untreated Hypertensive Men, 248

Hypertension, mineralocorticoid
Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752

Hypertension, non-modulating
Atrial Natriuretic Peptide in Non-modulating Essential Hypertension, 803

Hypertension, primary
Alterations in Calcium Metabolism in Young People at Risk for Primary Hypertension: The Dutch Hypertension and Offspring Study, 267
Membrane Sodium-Proton Exchange and Primary Hypertension, 607
Role of Nitric Oxide and Angiotensin II in the Regulation of Sympathetic Nerve Activity in Spontaneously Hypertensive Rats, 476
Sodium Retention and Hypertension After Kidney Transplantation in Rats, 724

Hypertension, renal
Characteristics of Arterial Myosin in Experimental Renal Hypertension in the Dog, 624
Hydrochlorothiazide Improves Ventricular Compliance and Thus Performance Without Reducing Hypertrophy in Renal Artery Stenosis in Rats, 638

Hypertension, renovascular
Catecholamine Secretory Vesicles: Augmented Chromogranins and Amines in Secondary Hypertension, 674
Clofibrate Prevents the Development of Hypertension in Dahl Salt-Sensitive Rats, 985
Mechanics and Composition of Cerebral Arterioles in Renal and Spontaneously Hypertensive Rats, 816
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149
Restenosis After a First Percutaneous Transluminal Renal Angioplasty, 89
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929

Hypertension, sodium-dependent
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Enhanced Blood Pressure Response to Cyclooxygenase Inhibition in Salt-Sensitive Human Essential Hypertension, 875
Insulin Resistance in Young Salt-Sensitive Normotensive Subjects, 273
Pressor Reactivity to Norepinephrine and Angiotensin in Salt-Sensitive Hypertensive Patients, 301
Salt-Sensitive Hypertension Caused by Long-term α-Adrenergic Blockade in the Rat, 995
Sucrose Does Not Raise Blood Pressure in Rats Maintained on a Low Salt Intake, 779

Hypertension, spontaneous
Vascular Smooth Muscle Cell Calcium Fluxes: Regulation by Angiotensin II and Lipoproteins, 195

Hypertension, systemic
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315

Hypertension, systolic
Implications of the Systolic Hypertension in the Elderly Program, 335

Hypertension, volume-dependent
Altered β-Receptor Control of In Situ Membrane Potential in Hypertensive Rats, 1005

Hypertriglyceridemia
Mechanism of Hypertriglyceridemia in Dahl Rats, 373

Hypertrophy
Angiotensin II Causes Mesangial Cell Hypertrophy, 29
Angiotensin II, Sodium, and Cardiovascular Hypertrophy in Spontaneously Hypertensive Rats, 50
Hydrochlorothiazide Improves Ventricular Compliance and Thus Performance Without Reducing Hypertrophy in Renal Artery Stenosis in Rats, 638
Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression, 142
Normal Ultrasonic Myocardial Reflectivity in Hypertensive Patients: A Tissue Characterization Study, 329
Oxygen Cost of Stress Development in Hypertrophied and Failing Hearts From the Spontaneously Hypertensive Rat, 56
Role of Transforming Growth Factor-β-1 in the Cellular Growth Response to Angiotensin II, 1046
Small Artery Structure in Hypertension: Dual Processes of Remodeling and Growth, 391

Hypertrophy, left ventricular
Role of Angiotensin II in High Fructose–Induced Left Ventricular Hypertrophy in Rats, 1051

I

Immunoglobulins
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731

Immunohistochemistry
Gene Expression and Tissue Localization of the Two Isoforms of Angiotensin I Converting Enzyme, 827

In Memoriam
Austin Eric Doyle: 1923–1993, 882

Indomethacin
Endothelium-Derived Contracting Factors in Resistance Arteries of Young Spontaneously Hypertensive Rats Before Development of Overt Hypertension, 280
Enhanced Blood Pressure Response to Cyclooxygenase Inhibition in Salt-Sensitive Human Essential Hypertension, 875
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929

Inositol phosphates
Vascular Smooth Muscle Cell Calcium Fluxes: Regulation by Angiotensin II and Lipoproteins, 195

Insulin
Effects of Ciglitazone on Blood Pressure and Intracellular Calcium Metabolism, 1020

Elevated Hepatic Insulin Extraction in Essential Hypertension, 646
Human Lymphocyte Sodium-Hydrogen Exchange: The Influences of Lipids, Membrane Fluidity, and Insulin, 344
Insulin Reduces Reflex Forearm Sympathetic Vasoconstriction in Healthy Humans, 1015
Magnesium Deficiency Produces Insulin Resistance and Increased Thromboxane Synthesis, 1024
Sucrose Does Not Raise Blood Pressure in Rats Maintained on a Low Salt Intake, 779

Insulin resistance
Effects of Ciglitazone on Blood Pressure and Intracellular Calcium Metabolism, 1020
Insulin Resistance in Young Salt-Sensitive Normotensive Subjects, 273
Reflex Sympathetic Activation Induces Acute Insulin Resistance in the Human Forearm, 618
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129
Sympathetic Hyperactivity and Coronary Risk in Hypertension, 886
The Vasodilator Action of Insulin: Implications for the Insulin Hypothesis of Hypertension, 136

Interferon type II
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185

Interleukin-2
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289

Intervention studies
Effect of Low Sodium Diet or Potassium Supplementation on Adolescent Blood Pressure, 989

Invited controversy
Is Endothelin Involved in the Pathogenesis of Hypertension? 747
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752

Ion channels
Intracellular Calcium, Currents, and Stimulus–Response Coupling in Endothelial Cells, 112

Ion exchange
Human Lymphocyte Sodium-Hydrogen Exchange: The Influences of Lipids, Membrane Fluidity, and Insulin, 344

Isoproterenol
Indirect Evidence for Vascular Uptake of Circulating Renin in Hypertensive Patients, 852

J

Juxtaglomerular apparatus
Time Course of Stimulation of Renal Renin Messenger RNA by Furosemide, 36

K

Kallikrein
Adrenal Kallikrein, 911
Bradykinin B_2-Receptor Blockade Facilitates Deoxycorticosterone-Salt Hypertension, 980

Kallikrein-kinin system
Adrenal Kallikrein, 911

Kidney
A Novel Angiotensin Receptor Subtype in Rat Mesangium: Coupling to Adenylyl Cyclase, 1035
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Cardiac Volume Receptor Reflex in Borderline Hypertensive Rats, 222
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315
Effect of Endothelin-1 on Glomerular Hydraulic Pressure and Renin Release in Dogs, 845
Enhanced Renal Angiotensin II Subtype 1 Receptor Responses in the Spontaneously Hypertensive Rat, 420
Epidermal Growth Factor Is a Potent Inhibitor of Renin Secretion, 654
Kidney Is an Important Target for the Antihypertensive Action of an Angiotensin II Receptor Antagonist in Spontaneously Hypertensive Rats, 1056
Renal Morphological Changes After Sinoaortic Denervation in Dogs, 758
Time Course of Stimulation of Renal Renin Messenger RNA by Furosemide, 36

Kidney diseases
Essential Hypertension: A Renal Disease? A Review and Update of the Evidence, 380
Psychosocial Stress Can Induce Chronic Hypertension in Normotensive Strains of Rats, 714

Kidney glomerulus
Low Calorie Unrestricted Protein Diet Attenuates Renal Injury in Hypertensive Rats, 971
Urodilatin Binds to and Activates Renal Receptors for Atrial Natriuretic Peptide, 432

Kidney medulla
Kinin Actions on Renal Papillary Blood Flow and Sodium Excretion, 961
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149

Kidney transplantation
Sodium Retention and Hypertension After Kidney Transplantation in Rats, 724

Kidney tubules, collecting
Urodilatin Binds to and Activates Renal Receptors for Atrial Natriuretic Peptide, 432

Kidney tubules, proximal
Renal Dopamine-1 Receptors in Hypertensive Inbred Rat Strains With and Without Hyperactivity, 485

Kinetics
Pressor Reactivity to Norepinephrine and Angiotensin in Salt-Sensitive Hypertensive Patients, 301

Kininase II
Angiotensin Converting Enzyme Variability in Hypertensive and Normotensive Rats, 442
Arteriolar Constriction and Local Renin-Angiotensin System in Rat Microcirculation, 491
Discovery of the Two Angiotensin Peptides and the Angiotensin Converting Enzyme, 259
Gene Expression and Tissue Localization of the Two Isoforms of Angiotensin I Converting Enzyme, 827
Novel In Vitro Gene Transfer Method for Study of Local Modulators in Vascular Smooth Muscle Cells, 894
Regional Angiotensin II Production in Essential Hypertension and Renal Artery Stenosis, 173
The Angiotensin I Converting Enzyme Gene and Predisposition to High Blood Pressure, 455

Kininogenases (see Kallikrein)

Kinins
Adrenal Kallikrein, 911
Bradykinin B_2-Receptor Blockade Facilitates Deoxycorticosterone-Salt Hypertension, 980
Bradykinin Peptides in Kidney, Blood, and Other Tissues of the Rat, 155

L

Lactates
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129

Laser-Doppler flowmetry
Kinin Actions on Renal Papillary Blood Flow and Sodium Excretion, 961

Letters to the Editor
Pulse Pressure and Microvessels, 525

Leukocytes
Leukocyte–Endothelial Cell Adhesion in Spontaneously Hypertensive and Normotensive Rats, 667
Leukocytes Synthesize Angiotensinogen, 470

Leukocytes, mononuclear
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185

Leukotrienes B
Leukocyte–Endothelial Cell Adhesion in Spontaneously Hypertensive and Normotensive Rats, 667
Lipopolysaccharides
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731
Lipoprotein lipase
Mechanism of Hypertriglyceridemia in Dahl Rats, 373
Lipoproteins
Vascular Smooth Muscle Cell Calcium Fluxes: Regulation by Angiotensin II and Lipoproteins, 195
Lipoproteins, VLDL
Mechanism of Hypertriglyceridemia in Dahl Rats, 373
Lithium
Renal Response to Angiotensin After Short-term Angiotensin Converting Enzyme Inhibition, 261
Liver transplantation
Circadian Rhythms of Blood Pressure After Liver Transplantation, 398
Losartan
A Novel Angiotensin Receptor Subtype in Rat Mesangium: Coupling to Adenylyl Cyclase, 1035
Effects of Losartan on Blood Pressure, Plasma Renin Activity, and Angiotensin II in Volunteers, 704
Enhanced Renal Angiotensin II Subtype 1 Receptor Responses in the Spontaneously Hypertensive Rat, 420
Regulation of Vascular Angiotensin Release, 446
Renal Angiotensin Receptor Mapping in Obese Spontaneously Hypertensive Rats, 1039
Lower body negative pressure
Insulin Reduces Reflex Forearm Sympathetic Vasoconstriction in Healthy Humans, 1015
Lymphocytes
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731
Human Lymphocyte Sodium-Hydrogen Exchange: The Influences of Lipids, Membrane Fluidity, and Insulin, 344
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185

M

Macrophages
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185
Magnesium
Magnesium Deficiency Produces Insulin Resistance and Increased Thromboxane Synthesis, 1024
Medulla oblongata
Vasodepressor Neurons in Medulla Alter Cardiac Contractility and Cardiac Output, 210
Membrane fluidity
Human Lymphocyte Sodium-Hydrogen Exchange: The Influences of Lipids, Membrane Fluidity, and Insulin, 344
Membrane potentials
Altered β-Receptor Control of In Situ Membrane Potential in Hypertensive Rats, 1005
Mesenteric arteries
Increased Endothelin-1 Content in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive but Not in Spontaneously Hypertensive Rats, 294
Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916
Metabolism
Insulin Resistance in Young Salt-Sensitive Normotensive Subjects, 273
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Mexican Americans
Level of Control of Hypertension in Mexican Americans and Non-Hispanic Whites, 83
Microalbuminuria
Microalbuminuria in Essential Hypertension: Reduction by Different Antihypertensive Drugs, 810
Microcirculation
Arteriolar Constriction and Local Renin-Angiotensin System in Rat Microcirculation, 491
Microscopy, electron
Renal Morphological Changes After Sinoaortic Denervation in Dogs, 758
Mineralocorticoids
Bradykinin B_2-Receptor Blockade Facilitates Deoxycorticosterone-Salt Hypertension, 980
Molecular biology
Diverse Tissue Expression of Rat α_2-Adrenergic Receptor Genes, 861
Monitoring, physiological
Feasibility of Ambulatory, Continuous 24-Hour Finger Arterial Pressure Recording, 65
Muscle, smooth, vascular
Alterations in Prostaglandin Production in Spontaneously Hypertensive Rat Smooth Muscle Cells, 900
Atrial Natriuretic Peptide Blunts the Cellular Effects of Cyclosporine in Smooth Muscle, 166
Autonomic Modulation of Contractions to Endothelin-1 in Canine Coronary Arteries, 680
Characteristics of Arterial Myosin in Experimental Renal Hypertension in the Dog, 624
Guanine Nucleotide Regulatory Proteins in the Spontaneously Hypertensive Rat, 204
Is Endothelin Involved in the Pathogenesis of Hypertension? 747
Membrane Sodium-Proton Exchange and Primary Hypertension, 607
Novel In Vitro Gene Transfer Method for Study of Local Modulators in Vascular Smooth Muscle Cells, 894
Role of Transforming Growth Factor-β-1 in the Cellular Growth Response to Angiotensin II, 1046
Vascular Smooth Muscle Cell Calcium Fluxes: Regulation by Angiotensin II and Lipoproteins, 195
Myocardial contraction
Vasodepressor Neurons in Medulla Alter Cardiac Contractility and Cardiac Output, 210
Myocardium
Normal Ultrasonic Myocardial Reflectivity in Hypertensive Patients: A Tissue Characterization Study, 329
Myosin
Characteristics of Arterial Myosin in Experimental Renal Hypertension in the Dog, 624
Myotrophin
Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression, 142

N

Na^+,K^+-transporting ATPase
Acute Alcohol Administration Stimulates Baroreceptor Discharge in the Dog, 687
Dopamine Fails to Inhibit Renal Tubular Sodium Pump in Hypertensive Rats, 364
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Natriuresis
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Role of Renal Interstitial Pressure as a Mediator of Sodium Retention During Systemic Blockade of Nitric Oxide, 956
Natriuretic peptides, atrial (see Atrial natriuretic factor)
Nephrectomy
Angiotensin Blockade and the Progression of Renal Damage in the Spontaneously Hypertensive Rat, 975
Neurons
Smaller Local Brain Volumes and Cerebral Atrophy in Spontaneously Hypertensive Rats, 105
Nitric oxide
Captopril Inhibits Endothelin-1 Secretion From Endothelial Cells Through Bradykinin, 921
Ethanol Enhances the Endothelial Nitric Oxide Synthase Response to Agonists, 939

Genomic Analysis and Expression Patterns Reveal Distinct Genes for Endothelial and Brain Nitric Oxide Synthase, 934
Kinin Actions on Renal Papillary Blood Flow and Sodium Excretion, 961
Leukocyte–Endothelial Cell Adhesion in Spontaneously Hypertensive and Normotensive Rats, 667
Neural Mechanism of Hypertension by Nitric Oxide Synthase Inhibitor in Dogs, 3
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185
Role of Nitric Oxide and Angiotensin II in the Regulation of Sympathetic Nerve Activity in Spontaneously Hypertensive Rats, 476
Role of Renal Interstitial Pressure as a Mediator of Sodium Retention During Systemic Blockade of Nitric Oxide, 956
Sodium and Angiotensin in Hypertension Induced by Long-term Nitric Oxide Blockade, 944
Sustained Hypertension Induced by Orally Administered Nitro-L-Arginine, 359

Nitro-L-arginine-methyl ester
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660

N^G-Nitro-L-arginine
Neural Mechanism of Hypertension by Nitric Oxide Synthase Inhibitor in Dogs, 3

Nitroprusside
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929

Norepinephrine
Angiotensin II Facilitates Sympathetic Transmission in Rat Hind Limb Circulation, 322
Autonomic Modulation of Contractions to Endothelin-1 in Canine Coronary Arteries, 680
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Influence of Endogenous Angiotensin on the Renovascular Response to Norepinephrine, 695
Insulin Reduces Reflex Forearm Sympathetic Vasoconstriction in Healthy Humans, 1015
Pressor Reactivity to Norepinephrine and Angiotensin in Salt-Sensitive Hypertensive Patients, 301

O

Obesity
Level of Control of Hypertension in Mexican Americans and Non-Hispanic Whites, 83

Organ culture
Novel In Vitro Gene Transfer Method for Study of Local Modulators in Vascular Smooth Muscle Cells, 894

Ouabain
Salt Loads Attenuate Potassium-Induced Vasodilation of Forearm Vasculature in Humans, 772

Oxygen consumption
Oxygen Cost of Stress Development in Hypertrophied and Failing Hearts From the Spontaneously Hypertensive Rat, 56

P

Papio
Selective Breeding to Develop Lines of Baboons With High and Low Blood Pressure, 1076

Parathyroid hormones
Alterations in Calcium Metabolism in Young People at Risk for Primary Hypertension: The Dutch Hypertension and Offspring Study, 267

PD 123319
A Novel Angiotensin Receptor Subtype in Rat Mesangium: Coupling to Adenylyl Cyclase, 1035

Peptides
Bradykinin Peptides in Kidney, Blood, and Other Tissues of the Rat, 155
Studies on the Peptides Encoded By Rat and Human Angiotensin II Complementary RNA, 42

Perfusion
Regulation of Vascular Angiotensin Release, 446

Personal and Historical Perspectives
Discovery of the Two Angiotensin Peptides and the Angiotensin Converting Enzyme, 259

Phenylethanolamine *N*-methyltransferase
Glucocorticoid Hypertension and Nonadrenal Phenylethanolamine *N*-Methyltransferase, 415

Phospholipase C
Dopamine Fails to Inhibit Renal Tubular Sodium Pump in Hypertensive Rats, 364

Plasma renin activity
Effects of Losartan on Blood Pressure, Plasma Renin Activity, and Angiotensin II in Volunteers, 704
Selective Breeding to Develop Lines of Baboons With High and Low Blood Pressure, 1076

Platelet activating factor
Leukocyte–Endothelial Cell Adhesion in Spontaneously Hypertensive and Normotensive Rats, 667
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149

Platelet-derived growth factor
Effects of Ciglitazone on Blood Pressure and Intracellular Calcium Metabolism, 1020

Polymorphism (genetics)
Estrogen Receptor Variant and Hypertension in Women, 439

n-3 Polyunsaturated fatty acids (see Fatty acids, unsaturated)

Potassium
Effect of Low Sodium Diet or Potassium Supplementation on Adolescent Blood Pressure, 989
Salt Loads Attenuate Potassium-Induced Vasodilation of Forearm Vasculature in Humans, 772

Prazosin
Salt-Sensitive Hypertension Caused by Long-term α-Adrenergic Blockade in the Rat, 995

Preeclampsia
Is Endothelin Involved in the Pathogenesis of Hypertension? 747

Prekallikrein
Adrenal Kallikrein, 911

Pressoreceptors
Acute Alcohol Administration Stimulates Baroreceptor Discharge in the Dog, 687
Coronary Vascular Response to the Cerebral Ischemia Reflex, 216
Mild Hypovolemic Stress Alters Autonomic Modulation of Heart Rate, 236
Reflex Vasopressin and Renin Modulation By Cardiac Receptors in Humans, 461
Role of Nitric Oxide and Angiotensin II in the Regulation of Sympathetic Nerve Activity in Spontaneously Hypertensive Rats, 476

Prostaglandin-endoperoxide synthase
Enhanced Blood Pressure Response to Cyclooxygenase Inhibition in Salt-Sensitive Human Essential Hypertension, 875
Epidermal Growth Factor Is a Potent Inhibitor of Renin Secretion, 654
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289
Vasodilation to Acetylcholine in Primary and Secondary Forms of Human Hypertension, 929

Prostaglandin endoperoxides
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289

Prostaglandins
Alterations in Prostaglandin Production in Spontaneously Hypertensive Rat Smooth Muscle Cells, 900
Enhanced Blood Pressure Response to Cyclooxygenase Inhibition in Salt-Sensitive Human Essential Hypertension, 875
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149

Protein kinase C
Heparin Has an Inhibitory Effect on Endothelin-1 Synthesis and Release by Endothelial Cells, 353

Proteinuria
Effect of Diltiazem on Glomerular Heparan Sulfate and Albuminuria in Diabetic Rats, 795
Low Calorie Unrestricted Protein Diet Attenuates Renal Injury in Hypertensive Rats, 971
Proteoglycans
Effect of Diltiazem on Glomerular Heparan Sulfate and Albuminuria in Diabetic Rats, 795
Protons
Membrane Sodium-Proton Exchange and Primary Hypertension, 607

Q

Quality of life
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97

R

Rabbit studies
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149
Vasodepressor Neurons in Medulla Alter Cardiac Contractility and Cardiac Output, 210
Radioimmunoassay
Bradykinin Peptides in Kidney, Blood, and Other Tissues of the Rat, 155
Randomized controlled trials
Properties of the Random Zero Sphygmomanometer, 632
Rapid Communications
Age and Gender Influence Muscle Sympathetic Nerve Activity at Rest in Healthy Humans, 498
Enhancement of Vasoconstrictor Response by a Noncalcemic Analogue of Vitamin D_3, 253
Metabotropic Glutamate Receptors in the Ventrolateral Medulla of Rats, 739
Rat studies
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Psychosocial Stress Can Induce Chronic Hypertension in Normotensive Strains of Rats, 714
The Hypertensive Y Chromosome Elevates Blood Pressure in F_{11} Normotensive Rats, 1071
Rats, borderline hypertensive
Cardiac Volume Receptor Reflex in Borderline Hypertensive Rats, 222
Rats, inbred SHR
Angiotensin Converting Enzyme Variability in Hypertensive and Normotensive Rats, 442
Angiotensin II, Sodium, and Cardiovascular Hypertrophy in Spontaneously Hypertensive Rats, 50
Calcitonin Gene–Related Peptide Gene Expression in the Spontaneously Hypertensive Rat, 1010
Elevation of Plasma Immunoglobulin A in the Spontaneously Hypertensive Rat, 731
Enhanced Renal Angiotensin II Subtype 1 Receptor Responses in the Spontaneously Hypertensive Rat, 420
Guanine Nucleotide Regulatory Proteins in the Spontaneously Hypertensive Rat, 204
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289
Kidney Is an Important Target for the Antihypertensive Action of an Angiotensin II Receptor Antagonist in Spontaneously Hypertensive Rats, 1056
Low Calorie Unrestricted Protein Diet Attenuates Renal Injury in Hypertensive Rats, 971
Nitric Oxide Mediates Immune Dysfunction in the Spontaneously Hypertensive Rat, 185
Oxygen Cost of Stress Development in Hypertrophied and Failing Hearts From the Spontaneously Hypertensive Rat, 56
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752
Renal Angiotensin Receptor Mapping in Obese Spontaneously Hypertensive Rats, 1039
Renal Dopamine-1 Receptors in Hypertensive Inbred Rat Strains With and Without Hyperactivity, 485
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9
Sodium Retention and Hypertension After Kidney Transplantation in Rats, 724
Rats, inbred strains
Clofibrate Prevents the Development of Hypertension in Dahl Salt-Sensitive Rats, 985
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Mechanism of Hypertriglyceridemia in Dahl Rats, 373
Time Course of Stimulation of Renal Renin Messenger RNA by Furosemide, 36
Rats, inbred WKY
Angiotensin Converting Enzyme Variability in Hypertensive and Normotensive Rats, 442
Interleukin-2 Causes Endothelium-Dependent Contractions to Arachidonic Acid, 289
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9
Receptors, adrenergic
Salt-Sensitive Hypertension Caused by Long-term α-Adrenergic Blockade in the Rat, 995
Receptors, adrenergic, alpha
Diverse Tissue Expression of Rat α_2-Adrenergic Receptor Genes, 861
Receptors, adrenergic, beta
Indirect Evidence for Vascular Uptake of Circulating Renin in Hypertensive Patients, 852
Receptors, androgen
The Hypertensive Y Chromosome Elevates Blood Pressure in F_{11} Normotensive Rats, 1071
Receptors, angiotensin
Alterations in Prostaglandin Production in Spontaneously Hypertensive Rat Smooth Muscle Cells, 900
Angiotensin Blockade and the Progression of Renal Damage in the Spontaneously Hypertensive Rat, 975
Effects of Losartan on Blood Pressure, Plasma Renin Activity, and Angiotensin II in Volunteers, 704
Enhanced Renal Angiotensin II Subtype 1 Receptor Responses in the Spontaneously Hypertensive Rat, 420
Inhibition of Central Angiotensin Responses By Angiotensin Type-1 Receptor Antibody, 1062
Kidney Is an Important Target for the Antihypertensive Action of an Angiotensin II Receptor Antagonist in Spontaneously Hypertensive Rats, 1056
Renal Angiotensin Receptor Mapping in Obese Spontaneously Hypertensive Rats, 1039
Role of Angiotensin II in High Fructose–Induced Left Ventricular Hypertrophy in Rats, 1051
Receptors, dopamine
Dopamine Fails to Inhibit Renal Tubular Sodium Pump in Hypertensive Rats, 364
Renal Dopamine-1 Receptors in Hypertensive Inbred Rat Strains With and Without Hyperactivity, 485
Receptors, dopamine D1
Dopamine Regulation of Renal Na^+,K^+-ATPase Activity Is Lacking in Dahl Salt-Sensitive Rats, 767
Receptors, estrogen
Estrogen Receptor Variant and Hypertension in Women, 439
Receptors, glutamate
Metabotropic Glutamate Receptors in the Ventrolateral Medulla of Rats, 739
Receptors, serotonin
Sympathoinhibitory Responses to 2-Methylserotonin During Changes in Sodium Intake, 1000
Renal artery
Urodilatin Binds to and Activates Renal Receptors for Atrial Natriuretic Peptide, 432

Renal artery obstruction
Regional Angiotensin II Production in Essential Hypertension and Renal Artery Stenosis, 173
Restenosis After a First Percutaneous Transluminal Renal Angioplasty, 89

Renal circulation
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315
Effect of Endothelin-1 on Glomerular Hydraulic Pressure and Renin Release in Dogs, 845
Essential Hypertension: A Renal Disease? A Review and Update of the Evidence, 380
Influence of Endogenous Angiotensin on the Renovascular Response to Norepinephrine, 695
Kinin Actions on Renal Papillary Blood Flow and Sodium Excretion, 961
Mediators of the Hypotensive Response to Increased Renal Perfusion in Rabbits, 149
Potential Role of Endothelin in Hypertension: Controversy on Endothelin in Hypertension, 752
Renal Response to Angiotensin After Short-term Angiotensin Converting Enzyme Inhibition, 261

Renal function
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Bradykinin Does Not Modulate the Natriuretic Response to Atrial Natriuretic Factor in Rats With Aortocaval Fistula, 966

Renin
Angiotensinogen Is Cleaved to Angiotensin in Isolated Rat Blood Vessels, 1030
Arteriolar Constriction and Local Renin-Angiotensin System in Rat Microcirculation, 491
Atrial Natriuretic Peptide in Non-modulating Essential Hypertension, 803
Effect of Endothelin-1 on Glomerular Hydraulic Pressure and Renin Release in Dogs, 845
Epidermal Growth Factor Is a Potent Inhibitor of Renin Secretion, 654
Indirect Evidence for Vascular Uptake of Circulating Renin in Hypertensive Patients, 852
Reflex Vasopressin and Renin Modulation By Cardiac Receptors in Humans, 461
Regional Angiotensin II Production in Essential Hypertension and Renal Artery Stenosis, 173

Renin-angiotensin system
Angiotensin Blockade Reverses Hypertension During Long-term Nitric Oxide Synthase Inhibition, 660
Arteriolar Constriction and Local Renin-Angiotensin System in Rat Microcirculation, 491
Kidney Is an Important Target for the Antihypertensive Action of an Angiotensin II Receptor Antagonist in Spontaneously Hypertensive Rats, 1056
Leukocytes Synthesize Angiotensinogen, 470
Regulation of Vascular Angiotensin Release, 446
Renal Angiotensin Receptor Mapping in Obese Spontaneously Hypertensive Rats, 1039

Restriction fragment length polymorphisms
Inconsistent Divergence of Mitochondrial DNA in the Spontaneously Hypertensive Rat, 1066

Review literature
Membrane Sodium-Proton Exchange and Primary Hypertension, 607
Small Artery Structure in Hypertension: Dual Processes of Remodeling and Growth, 391

Risk factors
Doxazosin and Captopril in Mildly Hypercholesterolemic Hypertensive Patients: The Doxazosin-Captopril in Hypercholesterolemic Hypertensives Study, 97

RNA
Genomic Analysis and Expression Patterns Reveal Distinct Genes for Endothelial and Brain Nitric Oxide Synthase, 934
Studies on the Peptides Encoded By Rat and Human Angiotensin II Complementary RNA, 42

RNA, messenger
Diverse Tissue Expression of Rat α_2-Adrenergic Receptor Genes, 861
Heparin Has an Inhibitory Effect on Endothelin-1 Synthesis and Release by Endothelial Cells, 353
Increased Expression of Endothelin-1 Gene in Blood Vessels of Deoxycorticosterone Acetate–Salt Hypertensive Rats, 916
Inhibition of Central Angiotensin Responses By Angiotensin Type-1 Receptor Antibody, 1062
Leukocytes Synthesize Angiotensinogen, 470
Myotrophin Induces Early Response Genes and Enhances Cardiac Gene Expression, 142

S

Sendai virus
Novel In Vitro Gene Transfer Method for Study of Local Modulators in Vascular Smooth Muscle Cells, 894

Serotonin
Sympathoinhibitory Responses to 2-Methylserotonin During Changes in Sodium Intake, 1000

Signal transduction
A Novel Angiotensin Receptor Subtype in Rat Mesangium: Coupling to Adenylyl Cyclase, 1035

Simian virus 40 T antigen
Novel In Vitro Gene Transfer Method for Study of Local Modulators in Vascular Smooth Muscle Cells, 894

Sodium
Angiotensin II, Sodium, and Cardiovascular Hypertrophy in Spontaneously Hypertensive Rats, 50
Atrial Natriuretic Peptide in Non-modulating Essential Hypertension, 803
Calcium Dependence of Flow-Induced Dilation: Cooperative Interaction With Sodium, 16
Dopamine Fails to Inhibit Renal Tubular Sodium Pump in Hypertensive Rats, 364
Effect of Low Sodium Diet or Potassium Supplementation on Adolescent Blood Pressure, 989
Salt Loads Attenuate Potassium-Induced Vasodilation of Forearm Vasculature in Humans, 772
Salt-Sensitive Hypertension Caused by Long-term α-Adrenergic Blockade in the Rat, 995
Sodium Retention and Hypertension After Kidney Transplantation in Rats, 724
Sympathoinhibitory Responses to 2-Methylserotonin During Changes in Sodium Intake, 1000
Time Course of Stimulation of Renal Renin Messenger RNA by Furosemide, 36

Sodium, dietary
Sodium and Angiotensin in Hypertension Induced by Long-term Nitric Oxide Blockade, 944

Special articles
Implications of the Systolic Hypertension in the Elderly Program, 335
National Standard for Measurement of Resting and Ambulatory Blood Pressures With Automated Sphygmomanometers, 504

Stress, psychological
Psychophysiological Reactivity and Cardiac End-Organ Changes in White Coat Hypertension, 836
Psychosocial Stress Can Induce Chronic Hypertension in Normotensive Strains of Rats, 714

Sympathectomy
Cardiac Volume Receptor Reflex in Borderline Hypertensive Rats, 222

Sympathetic nervous system
Age and Gender Influence Muscle Sympathetic Nerve Activity at Rest in Healthy Humans, 498
Ambulatory Blood Pressure Monitoring Use in Hypertension Research and Clinical Practice, 510
Cardiac Volume Receptor Reflex in Borderline Hypertensive Rats, 222
Coronary Vascular Response to the Cerebral Ischemia Reflex, 216

Insulin Reduces Reflex Forearm Sympathetic Vasoconstriction in Healthy Humans, 1015
Metabotropic Glutamate Receptors in the Ventrolateral Medulla of Rats, 739
Reflex Sympathetic Activation Induces Acute Insulin Resistance in the Human Forearm, 618
Role of Nitric Oxide and Angiotensin II in the Regulation of Sympathetic Nerve Activity in Spontaneously Hypertensive Rats, 476
Salt-Sensitive Hypertension Caused by Long-term α-Adrenergic Blockade in the Rat, 995
Sucrose Does Not Raise Blood Pressure in Rats Maintained on a Low Salt Intake, 779
Sympathoinhibitory Responses to 2-Methylserotonin During Changes in Sodium Intake, 1000

T

Testicular feminization
The Hypertensive Y Chromosome Elevates Blood Pressure in F_{11} Normotensive Rats, 1071
Thrombin
Heparin Has an Inhibitory Effect on Endothelin-1 Synthesis and Release by Endothelial Cells, 353
Thromboxane A_2
Role of Endothelium in Endothelin-Evoked Contractions in the Rat Aorta, 9
Thromboxanes
Magnesium Deficiency Produces Insulin Resistance and Increased Thromboxane Synthesis, 1024
Tonometry
Accuracy of a Continuous Blood Pressure Monitor Based on Arterial Tonometry, 866
Transforming growth factors
Role of Transforming Growth Factor-β-1 in the Cellular Growth Response to Angiotensin II, 1046
Transplantation
Cyclosporine and Oxidized Lipoproteins Affect Vascular Reactivity: Influence of the Endothelium, 315
Triglycerides
Mechanism of Hypertriglyceridemia in Dahl Rats, 373
Tutorials in Molecular and Cellular Biology
Intracellular Calcium, Currents, and Stimulus–Response Coupling in Endothelial Cells, 112

U

Ultrasonics
Normal Ultrasonic Myocardial Reflectivity in Hypertensive Patients: A Tissue Characterization Study, 329

V

Vagotomy
Sympathoinhibitory Responses to 2-Methylserotonin During Changes in Sodium Intake, 1000
Vascular reactivity
Pressor Reactivity to Norepinephrine and Angiotensin in Salt-Sensitive Hypertensive Patients, 301
Vascular renin-angiotensin system (see Renin-angiotensin system)
Vascular resistance
Angiotensin II Facilitates Sympathetic Transmission in Rat Hind Limb Circulation, 322
Calcium Dependence of Flow-Induced Dilation: Cooperative Interaction With Sodium, 16
Effects of Hypertension and Aging on Coronary Arteriolar Density, 406
Effects of Weight Reduction on Cellular Cation Metabolism and Vascular Resistance, 308
Endothelium-Derived Contracting Factors in Resistance Arteries of Young Spontaneously Hypertensive Rats Before Development of Overt Hypertension, 280
Insulin Reduces Reflex Forearm Sympathetic Vasoconstriction in Healthy Humans, 1015
Mechanics and Composition of Cerebral Arterioles in Renal and Spontaneously Hypertensive Rats, 816
Salt Loads Attenuate Potassium-Induced Vasodilation of Forearm Vasculature in Humans, 772
Skeletal Muscle Blood Flow: A Possible Link Between Insulin Resistance and Blood Pressure, 129
Small Artery Structure in Hypertension: Dual Processes of Remodeling and Growth, 391
Vasoconstriction
Coronary Vascular Response to the Cerebral Ischemia Reflex, 216
Essential Hypertension: A Renal Disease? A Review and Update of the Evidence, 380
Inactivation of Endothelin-1 by an Enzyme of the Vascular Endothelial Cells, 925
Vasodilation
Altered β-Receptor Control of In Situ Membrane Potential in Hypertensive Rats, 1005
The Vasodilator Action of Insulin: Implications for the Insulin Hypothesis of Hypertension, 136
Vasomotor system
Metabotropic Glutamate Receptors in the Ventrolateral Medulla of Rats, 739
Vasopressin
Reflex Vasopressin and Renin Modulation By Cardiac Receptors in Humans, 461
Ventricular function
Psychophysiological Reactivity and Cardiac End-Organ Changes in White Coat Hypertension, 836
Validation of a Method for Noninvasive Measurement of Central Arterial Pressure, 74
Ventricular mass
Psychophysiological Reactivity and Cardiac End-Organ Changes in White Coat Hypertension, 836

W

Weight loss
Effects of Weight Reduction on Cellular Cation Metabolism and Vascular Resistance, 308

Y

Y chromosome
The Hypertensive Y Chromosome Elevates Blood Pressure in F_{11} Normotensive Rats, 1071